

REMARKS

Applicants respectfully request reconsideration of the present application in view of the foregoing amendments and in view of the reasons that follow.

Status of Claims:

Claims 16, 19, 20 and 28, 29 and 31-33 are currently being cancelled.

Claims 1-15, 17, 18, 21-27 and 30 are currently being amended.

No claims are currently being added.

This amendment and reply amends and cancels claims in this application. A detailed listing of all claims that are, or were, in the application, irrespective of whether the claims remain under examination in the application, is presented, with an appropriate defined status identifier.

After amending and canceling the claims as set forth above, claims 1-15, 17, 18, 21-27 and 30 are now pending in this application.

Indication of Allowable Subject Matter:

Applicants appreciate the indication of allowable subject matter made in the Office Action with respect to claims 16 and 21-27. By way of this amendment and reply, presently pending independent claim 1 has been amended to include the features of 'objected to' and now-cancelled claim 16 (whereby "HS-SCCH" has been changed to "shared control channel"); thus, claim 1, as well as dependent claims 2-15, 17 and 18, are now in allowable form based on the indications made in the Office Action with respect to claim 16. Also, claims 21 and 24-26 have each been placed in independent form, whereby claims 21-27 (claims 22, 23 and 27 depend from one of claims 21 and 24-26) are now in allowable form based on the indications made in the Office Action.

Objection to the Abstract:

In the Office Action, the Abstract was objected to because it was too long and because it contained improper legal phraseology. By way of this amendment and reply, a new Abstract is being submitted, which is believed to fully comply with PTO requirements with respect to abstracts.

Claim Rejections – Prior Art:

In the Office Action, claims 1-15, 17-20 and 28-33 were rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 6,674,739 to Lee et al. in view of U.S. Patent No. 6,757,270 to Kumar et al. Due to the amendments made to independent claim 1 so that it now includes the features of “objected to” claim 16 (and whereby claims 2-15, 17 and 18 depend either directly or indirectly from claim 1), and due to the cancellation of claims 19, 20 and 28, 29 and 31-33, this rejection is now moot with respect to those claims.

With respect to the rejection of claim 30, that claim is directed to a base station, and it now recites:

a transmitting section which transmits control information over a first channel that notifies a mobile station of transmission of a packet so that the mobile station can receive the packet; and

a base station state updating section which notifies the mobile station of transmission/reception state update information over the first channel that indicates update of a packet receivable state in the mobile station, so that the mobile station can receive one or more packets over a second channel,

wherein the transmission/reception state update information is information which sets the mobile station in one of an active state in which the control information for packet transmission can be received and a suspend state in which the control information for packet transmission cannot be received, and

wherein the base station updating section notifies the mobile station of the transmission/reception state update information, irrespective as to a previous point in time when a packet was most recently sent to the mobile station.

Turning now to the cited art of record, column 6, lines 1-65 of Lee et al. describes that a mobile station can enter an active state, a suspend state, or a dormant state, whereby it enters an appropriate state based on whether an inactive time period in which no packets have been received has been met (see column 6, lines 19-23 of Lee et al.). As is clear from the features recited in presently pending independent claim 30, the base station updating section notifies the mobile station of the transmission/reception state update information, irrespective as to a previous point in time when a packet was most recently sent to the mobile station.

Accordingly, since Kumar does not rectify the above-mentioned deficiencies of Lee et al., independent claim 30 is patentable over the combination of those two references.

Conclusion:

Since all of the issues raised in the Office Action have been addressed in this Amendment and Reply, Applicants believe that the present application is now in condition for allowance, and an early indication of allowance is respectfully requested.

The Examiner is invited to contact the undersigned by telephone if it is felt that a telephone interview would advance the prosecution of the present application.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check or credit card payment form being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741. If any extensions of time are needed for timely acceptance of papers submitted herewith, Applicants hereby petition for such extension under 37 C.F.R. §1.136 and authorize payment of any such extensions fees to Deposit Account No. 19-0741.

Respectfully submitted,

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Abstract of the Disclosure

A mobile communication system includes a base station and a mobile station. ~~The base station includes a base station transmitting/receiving section and a base station state updating section.~~ The base station includes a transmitting/receiving section that transmits/receives a packet to/from the mobile station. The base station also includes a base station state updating section that notifies the mobile station of transmission/reception state update information that indicates update of a packet receivable state in the mobile station. The mobile station includes a mobile station transmitting/receiving section ~~and a mobile station state updating section.~~ ~~The mobile station transmitting/receiving section that~~ transmits/receives the packet to/from the base station. The mobile station also includes a mobile station state updating section that sets, on the basis of the transmission/reception state update information, one of an active state in which the control information for packet transmission can be received and a suspend state in which the control information for packet transmission cannot be received. ~~A mobile station, a base station, and a packet communication method are also disclosed.~~